

**Amendments to the Specification:**

Please replace the paragraph beginning on page 1, line 11, with the following amended paragraph:

This application is related to U.S. Provisional Application Serial No. 60/257624, "Intrinsic Phase Shifter as an Element of a Superconducting Phase Quantum Bit[["],]" filed Dec. 22, 2000, from which priority is being claimed, herein incorporated by reference in its entirety. This application is further related to concurrently filed application Serial No. 09/839,637 [~~Attorney Docket No. M-8915-US~~] entitled "Quantum Bit with a Multi-Terminal Junction and Loop with a Phase Shift" and application Serial No. 09/839,636 [~~Attorney Docket No. M-8915-2C-US~~] entitled "Quantum Bit with a Multi-Terminal Junction and Loop with a Phase Shift[["],]" both of which are herein incorporated by reference in their entirety.